

## Modeling of underground disposal of liquid wastes

Khramchenkov E., Khramchenkov M.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

We consider a mathematical model of injection of a pollutant-containing solution into a stratum covered with a weakly penetrable clayey layer (water-confining stratum). The novelty of the statement of the problem lies in taking account of the linear action of pollutants on the buffer (protective) capabilities of the swelling clayey layer covering the stratum. © 2008 Springer Science+Business Media, Inc.

<http://dx.doi.org/10.1007/s10891-008-0084-6>

---